

REMARKS

Claims 1-103 are pending in the application. Claims 1-103 stand rejected. Claims 1-8, 11, 22, 45, 65-69, and 97-103 have been amended. No new matter has been added.

Applicants appreciate the time taken by Examiner Ho to provide a telephone interview on July 18, 2005 and consider the proposed amendments submitted herein. While no agreement was reached during the interview, Applicants believe that the amendments herein are in harmony with the positions expressed during the interview and place the application in condition for allowance.

Rejection of Claims under 35 U.S.C. § 102

Claims 1, 5, 9, 10, 22 and 65 stand rejected under 35 U.S.C. § 102(b) as being anticipated by U.S. Patent 5,699,361 ("Ding"). Applicants respectfully traverse this rejection.

Amended independent claim 1 is repeated below:

1. A computer-readable medium comprising:
a command definition, wherein
said command definition comprises commands for interfacing with a multi-channel, multi-media, communication queuing system, and
said commands are independent of a media type of a communication channel of the multi-channel, multi-media, communication queuing system;
and
instructions to use at least one of the commands of the command definition to support communication via the communication channel of the multi-channel, multi-media, communication queuing system.

Substantially similar elements have been added to amended independent claims 5, 22, and 65.

The Office Action cites columns 9-16 of Ding as teaching the claimed command definition. Applicants respectfully disagree. Columns 9-16 of Ding provide pseudo-code for three processes to support multimedia communications via a network. Applicants respectfully submit that the pseudo-code shown in columns 9-16 of Ding does not *define commands for interfacing with* a communication channel, where the commands are configured to operate independently of a media type of a communication channel of the multi-channel, multi-media, communication queuing system. At best, the pseudo-code provided by Ding points out that such commands may exist, but does not provide the command definition for the commands.

Because Ding does not teach a command definition comprising commands for interfacing with a multi-channel, multi-media, communication queuing system, all elements of independent claims 1, 5, 22, and 65 are not taught. Consequently, independent claim 1, its dependent claims 2-4, independent claim 5, its dependent claims 6-10 and 87-103, independent claim 22, its dependent claims 23-44, independent claim 65, and its dependent claims 66-68 are allowable for at least the foregoing reason.

Rejection of Claims under 35 U.S.C. § 103

Claims 2-4, 6-8, 11-21, 23-40, 43-64 and 66-103 stand rejected under 35 U.S.C. § 103(a) as being unpatentable over Ding in view of U.S. Patent 5,946,399 (“Kitaj”). Applicants respectfully traverse this rejection. Applicants respectfully maintain that a prima facie case of obviousness has not been made. It is unclear to Applicants how the problems of separating encrypted from non-encrypted data in a device driver for a cryptographic card apply to a command definition including commands for interfacing with a multi-channel, multi-media, communication queuing system. Moreover, the device driver of Kitaj uses several simplex channels to control data flow. Each channel is managed separately using its own object, and each channel has unique access protection through the object handles. The advantages of using objects to manage simplex channels for data security purposes are not apparent in the context of multi-media, multi-channel communication queuing. Applicants respectfully submit that no motivation to combine Ding and Kitaj exists and, consequently, claims 2-4, 6-8, 11-21, 23-40, 43-64 and 66-103 are allowable for at least this reason.

Even if the inventions of Ding and Kitaj were to be combined, the combination of the channel formulation mechanism of Ding with the device driver of Kitaj would not provide the command definition for interfacing with a multi-channel, multi-media, communication queuing system, as claimed in independent claim 1, and as substantially required by independent claims 5, 11, 22, 45, 65, and 69. As a result, claims 1-103 are allowable for at least this reason.

Claims 2-4, 6-8, 11-21, 23-40, 43-64, and 66-103 include independent claims 45 and 69. The Office Action rejects claims 45 and 69 for the same reasons for which claims 1, 2, 34, and 36 were rejected. (See Office Action dated 9/22/04, paragraph 4, pages 8-9). In the rejection of claim 2, the Office Action cites Kitaj as providing the requisite teaching of commands to create

driver objects, request service objects, and release driver objects. Applicants respectfully disagree with this characterization. While Kitaj refers to driver objects, Applicants have searched Kitaj and do not find a command definition to create or release driver objects. Furthermore, the Office Action appears to indicate that a request to permission to perform an action to a separate object (the input event scheduler) is equivalent to a request for a service object. (See Office Action, page 4, first paragraph). Applicants respectfully disagree, and can find no reference to a service object in the Kitaj reference.

Applicants respectfully submit that independent claims 45 and 69 are allowable for at least the foregoing reasons. Consequently, independent claim 45, its dependent claims 46-64, independent claim 69, and its dependent claims 70-86 are allowable for at least the foregoing reasons.

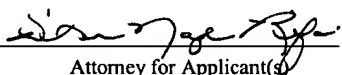
Claims 41 and 42 stand rejected under 35 U.S.C. § 103(a) as being unpatentable over Ding in view of U.S. Patent 5,983,019 (“Davidson”). Each of claims 41 and 42 depends from independent claim 22. As explained above, independent claim 22 is allowable over the Ding reference standing alone. Consequently, dependent claims 41 and 42 are also allowable for at least this reason.

In summary, each of claims 1-103 is allowable for at least the foregoing reasons.

CONCLUSION

In view of the remarks set forth herein, the application is believed to be in condition for allowance and a notice to that effect is solicited. Nonetheless, should any issues remain that might be subject to resolution through a telephonic interview, the Examiner is invited to telephone the undersigned at 512-439-5086.

I hereby certify that this correspondence is being deposited with the United States Postal Service as First Class Mail in an envelope addressed to: Mail Stop AF, COMMISSIONER FOR PATENTS, P. O. Box 1450, Alexandria, VA 22313-1450, on September 16, 2005.


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9/16/05
Date of Signature

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